

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Roy Curtiss, III	Group No.:	1645
Serial No.:	09/686,499	Atty. Docket No.:	53116/1192 (formerly 3116-1192)
Filed:	October 11, 2000		
For:	Functional Balanced-Lethal Host- Vector Systems	Examiner:	Khatol S. Shahnan-Shah

Commissioner of Patents and Trademarks  
Washington, DC 20231

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JW  
8/1/02

AMENDMENT AND RESPONSE

HONORABLE SIR:

Responsive to the official communication of January 29, 2002, Applicant submits the following Amendments and Remarks.

It is not believed that extensions of time are required beyond those, which may otherwise be provided for in documents accompanying this Amendment. However, in the event that additional extensions of time are necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned for under 37 C.F.R. § 1.136(a), and any fees required therefore are hereby authorized to be charged to our Deposit Account 20-0823.

Please amend the above-identified application as set forth below.

*In The Claims:*

Please amend the claims as set forth below.

45. (New) An attenuated derivative of a pathogenic microorganism which comprises:

(a) a mutation of a polynucleotide sequence that renders a native chromosomal essential gene non-functional;

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